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On the theory of multipulsed excitation of spin-echo and free-induction decay signals in angular distribution of oriented nuclei radiation

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Abstract

A theoretical study of the effects of multipulsed NMR on the angular distribution of radiations from oriented nuclei is reported. The perturbation factors of the angular correlation function may be written in general form for any scheme of multipulsed excitation of a nuclear spin system. The irreversible relaxation is taken into account. The experimentally realized situations of spin-echo and free induction decay in angular distribution of nuclear radiation are considered.

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